

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK 03/00516

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/10 C12P21/00 C07H21/00 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, EMBASE, CHEM ABS Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 02 074929 A (KANAN MATTEW W;GARTNER ZEV J ; LIU DAVID R (US); HARVARD COLLEGE ( ) 26 September 2002 (2002-09-26) figures 1-57 ---	1-65
P,X	WO 02 103008 A (GOUILAEV ALEX HAAHR ;NOERREGAARD-MADSEN MADS (DK); SLOEK FRANK ABI) 27 December 2002 (2002-12-27) figure 1 ---	1-65
X	WO 99 51546 A (HARVARD COLLEGE ;JACOBSEN ERIC N (US); SIGMAN MATTHEW S (US)) 14 October 1999 (1999-10-14) claims 1-54 ---	1-65
X	WO 00 23458 A (UNIV LELAND STANFORD JUNIOR) 27 April 2000 (2000-04-27) claims 1-14 ---	1-65
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"&" document member of the same patent family

Date of the actual completion of the international search

16 December 2003

Date of mailing of the international search report

18. 02 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	DE 196 46 372 C (EVOTEC BIOSYSTEMS GMBH) 19 June 1997 (1997-06-19) figures 1-8 ---	1-65
X	WO 00 61775 A (SERGEEV PAVEL) 19 October 2000 (2000-10-19) figure 1 ---	1-65
X	SUMMERER DANIEL ET AL: "DNA-templated synthesis: more versatile than expected." ANGEWANDTE CHEMIE (INTERNATIONAL ED. IN ENGLISH) GERMANY 4 JAN 2002, vol. 41, no. 1, 4 January 2002 (2002-01-04), pages 89-90, XP002265218 ISSN: 0570-0833 schemes 1-4 ---	1-65
X	GARTNER ZEV J ET AL: "Multistep small-molecule synthesis programmed by DNA templates." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. UNITED STATES 4 SEP 2002, vol. 124, no. 35, 4 September 2002 (2002-09-04), pages 10304-10306, XP002265219 ISSN: 0002-7863 figures 1-3 ---	1-65
X	VISSCHER J ET AL: "Template-directed synthesis of acyclic oligonucleotide analogues." JOURNAL OF MOLECULAR EVOLUTION. UNITED STATES 1988 DEC-1989 FEB, vol. 28, no. 1-2, December 1988 (1988-12), pages 3-6, XP002265226 ISSN: 0022-2844 figure 1 ---	1-65
X	WALDER J A ET AL: "Complementary carrier peptide synthesis: general strategy and implications for prebiotic origin of peptide synthesis." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. UNITED STATES JAN 1979, vol. 76, no. 1, January 1979 (1979-01), pages 51-55, XP002265221 ISSN: 0027-8424 figures 1,3 ---	1-65
P,A	WO 02 102820 A (ABILGAARD SLOEK FRANK ;HYLDT OFT LENE (DK); NUEVOLUTION AS (DK); PE) 27 December 2002 (2002-12-27) claim 1 ---	1-65
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A	WO 98 56904 A (RIGEL PHARMACEUTICALS INC) 17 December 1998 (1998-12-17) figure 1 ---	1-65
A	GARTNER Z J ET AL: "The generality of DNA-templated synthesis as a basis for evolving non-natural small molecules." JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. UNITED STATES 18 JUL 2001, vol. 123, no. 28, 18 July 2001 (2001-07-18), pages 6961-6963, XP002265222 ISSN: 0002-7863 figures 1-5 ---	1-65
A	KEILER K C ET AL: "Role of a peptide tagging system in degradation of proteins synthesized from damaged messenger RNA." SCIENCE. UNITED STATES 16 FEB 1996, vol. 271, no. 5251, 16 February 1996 (1996-02-16), pages 990-993, XP002265223 ISSN: 0036-8075 figures 1-3 -----	1-65

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